

Santa Fe Main Office
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General Information
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State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

Online Phone Directory Visit:
<https://www.emnrd.nm.gov/ocd/contact-us/>

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		WELL API NO. 30-015-55836
2. Name of Operator Permian Resource Operating LLC		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
3. Address of Operator 300 N. Marienfeld Ste 1000, Midland, TX 79701		6. State Oil & Gas Lease No.
4. Well Location Unit Letter <u>O</u> : <u>324</u> feet from the <u>South</u> line and <u>1294</u> feet from the <u>East</u> line Section <u>6</u> Township <u>23S</u> Range <u>26E</u> NMPM County <u>Eddy</u>		7. Lease Name or Unit Agreement Name OCOTILLO STATE COM
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3411		8. Well Number 213H
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data		9. OGRID Number 372165
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.		10. Pool name or Wildcat [98220] Purple Sage; Wolfcamp

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Permian Resources Operating, LLC respectfully submits the below APD change: Revise Surface and Intermediate CSG set depth, cement and mud circulation changes.

API# 30-015-55836; Well Name: Ocotillo State Com 213H

17.5" Surface Casing string Set Depth:

From: 300'

To: 450'

Cement Changes:

From: 190sx Class C, 1.88 Yelid Lead, 60sx Class C 1.34 Yield Tail

To: 280sx Clas C 1.88 Yield Lead, 80sx Class C 1.34 Yield Tail

12.25" Intermediate Casing string Set Depth:

From: 6291'

To: 1375'

Cement Changes:

From: 1440sx Class C, 1.88 Yelid Lead, 270sx Class C 1.34 Yield Tail

To: 120sx Class C, 1.88 Yield Lead, 330sx Class C 1.34 Yield Tail

No Production Casing Change

Top of the Capitan Reef is @ 1275'

Additional cement details and updated mud program are included with the attached full drilling program.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Cassie Evans TITLE: Regulatory Supervisor DATE 12/24/24

Type or print name Cassie Evans E-mail address: Cassie.Evans@permianres.com PHONE: 432-313-1732

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	<input checked="" type="checkbox"/> Initial Submittal
			<input type="checkbox"/> Amended Report
			<input type="checkbox"/> As Drilled

WELL LOCATION INFORMATION

API Number 30-015-55836	Pool Code 98220	Pool Name Purple Sage; Wolfcamp
Property Code 336568	Property Name OCOTILLO STATE COM	Well Number 213H
OGRID No. 372165	Operator Name PERMIAN RESOURCES OPERATING, LLC	Ground Level Elevation 3,411.51'
Surface Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal		Mineral Owner: <input checked="" type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input type="checkbox"/> Federal

Surface Location

UL O	Section 6	Township 23S	Range 26E	Lot	Ft. from N/S 324' FSL	Ft. from E/W 1,294' FEL	Latitude 32.327155°	Longitude -104.328549°	County EDDY
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Bottom Hole Location

UL B	Section 31	Township 22S	Range 26E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 2,269' FEL	Latitude 32.355386°	Longitude -104.331244°	County EDDY
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Dedicated Acres 320.13	Infill or Defining Well Defining	Defining Well API	Overlapping Spacing Unit (Y/N)	Consolidation Code
Order Numbers.			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL O	Section 6	Township 23S	Range 26E	Lot	Ft. from N/S 324' FSL	Ft. from E/W 1,294' FEL	Latitude 32.327155°	Longitude -104.328549°	County EDDY
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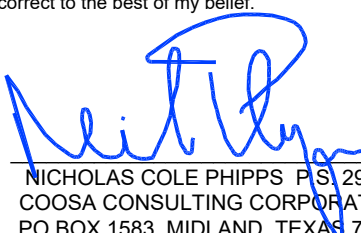

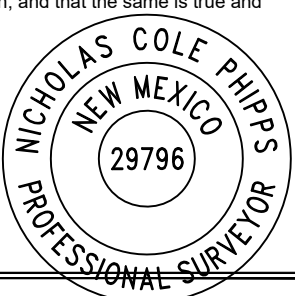
First Take Point (FTP)

UL O	Section 6	Township 23S	Range 26E	Lot	Ft. from N/S 100' FSL	Ft. from E/W 2,169' FEL	Latitude 32.326519°	Longitude -104.331447°	County EDDY
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Last Take Point (LTP)

UL B	Section 31	Township 22S	Range 26E	Lot	Ft. from N/S 100' FNL	Ft. from E/W 2,269' FEL	Latitude 32.355386°	Longitude -104.331244°	County EDDY
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Unitized Area or Area of Uniform Interest	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation:
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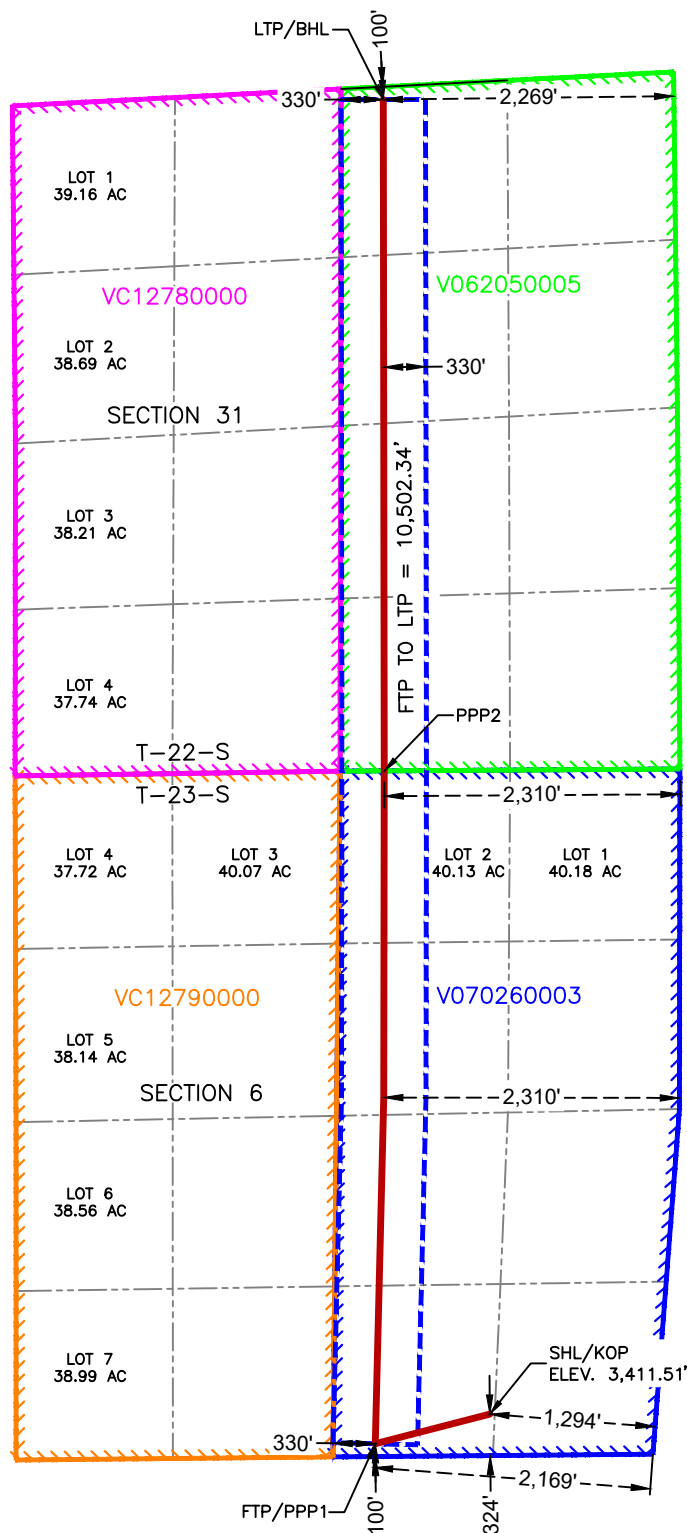
OPERATOR CERTIFICATIONS I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.		SURVEYOR CERTIFICATIONS I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  NICHOLAS COLE PHIPPS P.S. 29796 COOSA CONSULTING CORPORATION PO BOX 1583, MIDLAND, TEXAS 79701	
Signature 	Date 12/25/24	Signature and Seal of Professional Surveyor 	
Printed Name Cassie Evans	Email Address Cassie.Evans@permianres.com	Certificate Number 12177	Date of Survey 11/8/2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



SURFACE HOLE LOCATION
& KICK-OFF POINT
324' FSL & 1,294' FEL
ELEV. = 3,411.51'

NAD 83 X = 542,815.34'
NAD 83 Y = 482,751.14'
NAD 83 LAT = 32.327155°
NAD 83 LONG = -104.328549°
NAD 27 X = 501,633.97'
NAD 27 Y = 482,692.82'
NAD 27 LAT = 32.327039°
NAD 27 LONG = -104.328044°

FIRST TAKE POINT &
PENETRATION POINT 1
100' FSL & 2,169' FEL

NAD 83 X = 541,920.24'
NAD 83 Y = 482,519.75'
NAD 83 LAT = 32.326519°
NAD 83 LONG = -104.331447°
NAD 27 X = 500,738.88'
NAD 27 Y = 482,461.45'
NAD 27 LAT = 32.326403°
NAD 27 LONG = -104.330941°

PENETRATION POINT 2
0' FSL & 2,310' FEL

NAD 83 X = 541,989.54'
NAD 83 Y = 487,776.61'
NAD 83 LAT = 32.340969°
NAD 83 LONG = -104.331222°
NAD 27 X = 500,808.30'
NAD 27 Y = 487,718.16'
NAD 27 LAT = 32.340853°
NAD 27 LONG = -104.330716°

LAST TAKE POINT &
BOTTOM HOLE LOCATION
100' FNL & 2,269' FEL

NAD 83 X = 541,982.70'
NAD 83 Y = 493,021.27'
NAD 83 LAT = 32.355386°
NAD 83 LONG = -104.331244°
NAD 27 X = 500,801.58'
NAD 27 Y = 492,962.66'
NAD 27 LAT = 32.355270°
NAD 27 LONG = -104.330737°



Permian Resources - Ocotillo State Com 213H

1. Geologic Formations

Formation	Elevation	TVD	Target
Rustler	2991	450	No
Capitan	2166	1275	No
Cherry Canyon	1055	2386	No
Brushy Canyon	7	3434	No
Bone Spring Lime	-1704	5145	No
1st Bone Spring Sand	-2290	5731	No
2nd Bone Spring Sand	-2689	6130	No
3rd Bone Spring Sand	-4625	8066	No
Wolfcamp	-5028	8469	Yes

2. Blowout Prevention

BOP installed and tested before drilling	Size?	Min. Required WP	Type	x	Tested to:
12.25	13-5/8"	5M	Annular	x	2500 psi
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		
8.75	13-5/8"	5M	Annular	x	2500 psi
			Blind Ram	x	5000 psi
			Pipe Ram	x	
			Double Ram		
			Other*		

Equipment: BOPE will meet all requirements for above listed system per 43 CFR 3172. BOPE with working pressure ratings in excess of anticipated maximum surface pressure will be utilized for well control from drill out of surface casing to TMD. The system may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all of the components installed will be functional, tested, and will meet all requirements per 43 CFR 3172. The wellhead will be a multibowl speed head allowing for hangoff of intermediate casing of the surface x intermediate annulus without breaking the connection between the BOP & wellhead. A variance is requested to utilize a flexible choke line (flexhose) from the BOP to choke manifold.

Requesting Variance? YES

Variance request: Multibowl Wellhead, Flexhose, Breaktesting, Offline Cementing Variances. Attachments in Section 8.

Testing Procedure: Operator requests to ONLY test broken pressure seals per API Standard 53 and the attachments in Section 8. The BOP test shall be performed before drilling out of the surface casing shoe and will occur at a minimum: a. when initially installed, b. whenever any seal subject to test pressure is broken, c. following related repairs, d. at 21-day intervals. Testing of the ram type preventer(s) and annual type preventer(s) shall be tested per 43 CFR 3172. The BOPE configuration, choke manifold layout, and accumulator system will be in compliance with 43 CFR 3172. Bleed lines will discharge 100' from wellhead in non-H2S scenarios and 150' from wellhead in H2S scenarios.

Choke Diagram Attachemnt: 5M Choke Manifold

BOP Diagram Attachment: BOP Schematic

3. Casing

String	Hole Size	Casing Size	Top	Bottom	Top TVD	Bottom TVD	Length	Grade	Weight	Connection	Collapse SF	Burst SF	Joint SF Type	Joint SF	Body SF Type	Body SF
Surface	17.5	13.375	0	450	0	450	450	J55	54.5	BTC	5.08	###	Dry	7.30	Dry	6.85
Intermediate	12.25	9.625	0	1375	0	1375	1375	J55	40	BTC	2.76	1.62	Dry	4.61	Dry	4.06
Production	8.75	5.5	0	8887	0	8550	8887	P110RY	17	Rattler	2.53	2.64	Dry	2.35	Dry	2.35
Production	8.75	5.5	8887	18911	8550	8550	10024	P110RY	17	Rattler	2.53	2.64	Dry	2.35	Dry	2.35
BLM Min Safety Factor											1.125	1		1.6		1.6

Non API casing spec sheets and casing design assumptions attached.

4. Cement

String	Lead/Tail	Top MD	Bottom MD	Quantity (sx)	Yield	Density	Cu Ft	Excess %	Cement Type	Additives
Surface	lead	0	360	280	1.88	12.9	510	100%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Surface	Tail	360	450	80	1.34	14.8	100	50%	Class C	Accelerator
Intermediate	Lead	0	450	120	1.88	12.9	220	50%	Class C	EconoCem-HLC + 5% Salt + 5% Kol-Seal
Intermediate	Tail	450	1375	330	1.34	14.8	440	50%	Class C	Retarder
Production	Lead	875	7964	1030	2.41	11.5	2470	40%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder
Production	Tail	7964	18911	2000	1.73	12.5	3460	25%	Class H	POZ, Extender, Fluid Loss, Dispersant, Retarder

5. Circulating Medium

Mud System Type: Closed

Will an air or gas system be used: No

Describe what will be on location to control well or mitigate oter conditions: Sufficient quantities of mud materials will be on the well site at all times for the purpose of assuring well control and maintaining wellbore integrity. Surface interval will employ fresh water mud. The intermediate hole will utilize a saturated brine fluid to inhibit salt washout. The production hole will employ brine based and oil base fluid to inhibit formation reactivity and of the appropriate density to maintain well control.

Describe the mud monitoring system utilized: Centrifuge separation system. Open tank monitoring with EDR will be used for drilling fluids and return volumes. Open tank monitoring will be used for cement and cuttings return volumes. Mud properties will be monitored at least every 24 hours using industry accepted mud check practices.

Cuttings Volume: 8840 Cu Ft

Circulating Medium Table

Top Depth	Bottom Depth	Mud Type	Min Weight	Max Weight
0	450	Fresh Water	8.6	9.5
450	1375	Fresh Water	8.6	9.5
1375	18911	OBM	9	10.5

6. Test, Logging, Coring

List of production tests including testing procedures, equipment and safety measures:
Will utilize MWD/LWD from intermediate hole to TD of the well.
List of open and cased hole logs run in the well:
DIRECTIONAL SURVEY
Coring operation description for the well:
N/A

7. Pressure

Anticipated Bottom Hole Pressure	4670	psi
Anticipated Surface Pressure	2787	psi
Anticipated Bottom Hole Temperature	142	°F
Anticipated Abnormal pressure, temp, or geo hazards	No	

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CONDITIONS

Action 415040

CONDITIONS

Operator: Permian Resources Operating, LLC 300 N. Marienfeld St Ste 1000 Midland, TX 79701	OGRID: 372165
	Action Number: 415040
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Any previous COA's not addressed within the updated COA's still apply.	1/21/2025